

SEQUENCE LISTING

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<120> METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC CELL GROWTH

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| | | | | | | | | | 255 | | 260 | | 265 | | | | | | |
| gaa | ggg | gg | gg | cc | g | cc | cag | at | ct | tcc | gag | gag | gt | cg | cg | 869 | | | |
| Glu | Gly | Ala | Gly | Pro | Asp | Pro | Gln | Met | Leu | Ser | Glu | Glu | Val | Arg | Gln | | | | |
| | | | | | | | | | 270 | | 275 | | 280 | | | | | | |
| cga | ctt | cag | g | ct | cg | g | ac | acc | tc | gag | ata | gt | gg | ttc | | 917 | | | |
| Arg | Leu | Gln | Ala | Phe | Arg | Gln | Asp | Thr | Tyr | Leu | Gln | Ile | Ala | Ala | Phe | | | | |
| | | | | | | | | | 285 | | 290 | | 295 | | | | | | |
| act | cg | g | cc | atc | g | ca | g | g | gt | cg | ca | g | ct | g | | 965 | | | |
| Thr | Arg | Ala | Ile | Asp | Gln | Glu | Thr | Glu | Glu | Val | Gln | Gln | Gln | Leu | Ala | | | | |
| | | | | | | | | | 300 | | 305 | | 310 | | 315 | | | | |
| cca | cct | cca | cca | gg | cc | ca | ag | gt | tt | gg | ttt | caa | caa | aca | | 1013 | | | |
| Pro | Pro | Pro | Pro | Gly | His | Ser | Ala | Phe | Ala | Pro | Glu | Phe | Gln | Gln | Thr | | | | |
| | | | | | | | | | 320 | | 325 | | 330 | | | | | | |
| gac | agt | gg | aag | gtt | ct | ag | g | cc | cg | ct | gt | g | at | ct | | 1061 | | | |
| Asp | Ser | Gly | Lys | Val | Leu | Ser | Lys | Leu | Gln | Ala | Arg | Leu | Asp | Asp | Leu | | | | |
| | | | | | | | | | 335 | | 340 | | 345 | | | | | | |
| tgg | gaa | gac | atc | act | cac | agc | ctt | cat | gac | cag | gg | cc | ac | gc | ct | 1109 | | | |
| Trp | Glu | Asp | Ile | Thr | His | Ser | Leu | His | Asp | Gln | Gly | His | Ser | His | Leu | | | | |
| | | | | | | | | | 350 | | 355 | | 360 | | | | | | |
| ggg | gac | ccc | tga | ggatctac | cc | gg | cc | agg | cc | att | cc | ag | ct | cy | tt | gt | ct | gg | 1161 |
| Gly | Asp | Pro | * | | | | | | | | | | | | | | | | |

365

| | | |
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| ccagcctcct gcgactcccc aatctggatg cattacattc accaggctt gcaaaccag | c | 1341 |
| cctcccagtgc tcaatgggg aatgctcatg agttactcca ttcaagggtg agggagtagg | 1401 | |
| gagggagagg caccatgcatt gtgggtgatt atctgcaagc ctgttgccg tgatgctgga | 1461 | |
| agcctgtgcc actacatcct ggagtttggc tctagtcact tctggctgcc tggtgccac | 1521 | |
| tgctacagct ggtccacaga gaggagact tgcgtccca ggctgccc ggcagctatc | 1581 | |
| agggaaatag aagggagaaa gagaatatca tggggagaac atgtgatggt gtgtgaatat | 1641 | |
| ccctgctggc tctgatgctg gtgggtacga aaggtgtgg ctgtgatagg agagggcaga | 1701 | |
| gccccatgttt cctgacatag ctctacaccc aaataaggga ctgaaccctc ccaactgtgg | 1761 | |
| gagtcctta aaccctctgg ggagcatact gtgtgctctc cccatctcca gcccctccct | 1821 | |
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| Ala Phe Ser Ala Thr Gln Ala Arg Lys Gly Phe Trp Asp Tyr Phe Ser | | | |
| 20 | 25 | 30 | |
| Gln Thr Ser Gly Asp Lys Gly Arg Val Glu Gln Ile His Gln Gln Lys | | | |
| 35 | 40 | 45 | |
| Met Ala Arg Glu Pro Ala Thr Leu Lys Asp Ser Leu Glu Gln Asp Leu | | | |
| 50 | 55 | 60 | |
| Asn Asn Met Asn Lys Phe Leu Glu Lys Leu Arg Pro Leu Ser Gly Ser | | | |
| 65 | 70 | 75 | 80 |
| Glu Ala Pro Arg Leu Pro Gln Asp Pro Val Gly Met Arg Arg Gln Leu | | | |
| 85 | 90 | 95 | |
| Gln Glu Glu Leu Glu Glu Val Lys Ala Arg Leu Gln Pro Tyr Met Ala | | | |
| 100 | 105 | 110 | |
| Glu Ala His Glu Leu Val Gly Trp Asn Leu Glu Gly Leu Arg Gln Gln | | | |
| 115 | 120 | 125 | |
| Leu Lys Pro Tyr Thr Met Asp Leu Met Glu Gln Val Ala Leu Arg Val | | | |
| 130 | 135 | 140 | |
| Gln Glu Leu Gln Glu Gln Leu Arg Val Val Gly Glu Asp Thr Lys Ala | | | |
| 145 | 150 | 155 | 160 |
| Gln Leu Leu Gly Gly Val Asp Glu Ala Trp Ala Leu Leu Gln Gly Leu | | | |
| 165 | 170 | 175 | |
| Gln Ser Arg Val Val His His Thr Gly Arg Phe Lys Glu Leu Phe His | | | |
| 180 | 185 | 190 | |
| Pro Tyr Ala Glu Ser Leu Val Ser Gly Ile Gly Arg His Val Gln Glu | | | |
| 195 | 200 | 205 | |
| Leu His Arg Ser Val Ala Pro His Ala Pro Ala Ser Pro Ala Arg Leu | | | |
| 210 | 215 | 220 | |
| Ser Arg Cys Val Gln Val Leu Ser Arg Lys Leu Thr Leu Lys Ala Lys | | | |
| 225 | 230 | 235 | 240 |
| Ala Leu His Ala Arg Ile Gln Gln Asn Leu Asp Gln Leu Arg Glu Glu | | | |
| 245 | 250 | 255 | |
| Leu Ser Arg Ala Phe Ala Gly Thr Gly Thr Glu Glu Gly Ala Gly Pro | | | |
| 260 | 265 | 270 | |
| Asp Pro Gln Met Leu Ser Glu Glu Val Arg Gln Arg Leu Gln Ala Phe | | | |
| 275 | 280 | 285 | |
| Arg Gln Asp Thr Tyr Leu Gln Ile Ala Ala Phe Thr Arg Ala Ile Asp | | | |
| 290 | 295 | 300 | |

Gln Glu Thr Glu Glu Val Gln Gln Leu Ala Pro Pro Pro Pro Gly
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His Ser Ala Phe Ala Pro Glu Phe Gln Gln Thr Asp Ser Gly Lys Val
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340 345 350
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355 360 365

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| aggagtgtgg | tagaaagacc | tgttggaggc | tatgaatgca | atcaaggtga | cagacaactg | 120 |
| gtgcaatgtat | ggttagtgaa | atggaggaga | ggggattgtat | tcaagatgca | ttttaggacca | 180 |
| agaatcgaaa | gcttgtgaac | gtgtgtatga | gtactgtaga | cggagtggtt | gtgtcatcag | 240 |
| agaagatctg | agcatttggg | cttgctctcc | tcagaggccc | tgcgagtgaa | gttcagctt | 300 |
| tcctcatggg | gcaaatactya | ctttcgctcc | agttccctggg | gctcagagtc | cctggcccag | 360 |
| atgcctcttgc | ccatctcatc | ttcacccctgc | ctggcttcccc | ttgcttgttc | caggatttt | 420 |
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| aacctgttagt | gaagcttca | ggggctgctc | gggttctggc | tgttaggtga | acactgtcca | 540 |
| tcttgccggc | tgggacacag | tgactctggg | tagttgtgt | agagaggggc | ccttggcaga | 600 |
| caaacaggtt | cttctctgtt | ggtgggcccag | ccagcaggc | agtgggaaagg | ttaaaggta | 660 |
| tggggtttgg | gagaaactgg | gtgaggagtt | cagccccatc | ccccgtaaag | ctcctggaa | 720 |
| gcacttctct | actggggcag | ccctctgatac | cagggcactc | attaaccctc | tgggtgccag | 780 |
| gaaaagggca | ggaggtgagt | gctgggaggc | agctgaggc | aacttctttt | gaacttccac | 840 |
| gtggtatTTA | ctcagagcaa | ttggtgccag | aggctoaggg | ccctggagta | taaagcagaa | 900 |
| tgtctgtct | ctgtgcccag | acgtgaggcag | gtgagcagct | ggggcagagg | gatgggggtc | 960 |
| acagtccctaa | gggagggcat | tgcaagggtggc | ctcagggggag | agcctgggtt | ggccctctaag | 1020 |
| acgtcccttt | ggaacatTTT | ggcagagttt | cctcttcgccc | ctcattatgg | ctcagttttt | 1080 |
| ccaccatgaa | atggggggaa | gggagacagg | tgggcaggggg | agaggtggta | gaagtggcct | 1140 |
| agagaactgt | tcctggggtc | tggaccttt | gcgaagggggt | tagagcacca | cgctccctgc | 1200 |
| tatgtgactg | aggttagcaag | agcacgcct | cttcccaatgt | ctgaggaaga | caccctagcc | 1260 |
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| ctcaacctct | gtggccgtc | ctgggacaga | ggaaaggagc | ggtgctagct | ctgtctgcag | 1860 |
| atcccgcca | tcctgggtc | tttagcgccc | tctgcctgca | gcccccgcc | tgacaactcc | 1920 |
| gtagctgttg | ccccctgtct | cactgaggcg | cgggacctgg | gatcaatcgg | gaggacgccc | 1980 |
| gctgcagtcc | ccagaatcaa | aggatgtat | ggcgcacatct | tgtttctttt | gagagtgttg | 2040 |
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| ggatatctgt | ccccctctcc | aggaccctga | aagacagct | ttagcaagac | ctcaacaata | 2280 |
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| | | | | | | |
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| tgcaggagca | gttgcgcgtg | gtgggggaag | acaccaaggc | ccagttgtc | gggggcgtgg | 2580 |
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| agcagaacct | ggaccagctg | cgcgaagagc | tcagcagagc | cttgcaggc | actggactg | 2880 |
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| cttccgcca | ggacacctac | ctgcagatag | ctgcctcac | tcgcgcac | gaccaggaga | 3000 |
| ctgaggaggt | ccagcagcag | ctggcgccac | ctccaccagg | ccacagtgc | ttcgccccag | 3060 |
| agtttcaaca | aacagacagt | ggcaagggtt | tgagcaagct | gcaggcccgt | ctggatgacc | 3120 |
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| gaggatctac | ctgcccaggc | ccattcccg | ctycttgt | ggggagcctt | ggctctgagc | 3240 |
| ctctagcatg | gttcagtc | tgaaagtggc | ctgttgggt | gagggtggaa | ggtcctgtgc | 3300 |
| agacagggc | ggccaccaaa | ggggctgtc | tctcctgc | atccagcctc | ctgcgactcc | 3360 |
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18

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